

Serial No. 10/506,711

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Remarks

In view of the above amendments to the claims and the following discussion, the applicants submit that the claims now pending in the application are not anticipated under the provisions of 35 U. S. C. § 102, or obvious under the provisions of 35 U. S. C. § 103. Thus, the applicants believe that all of these claims are in allowable form.

REJECTIONS

A. 35 U. S. C. § 102

1. Claims 1, 3 and 6 are not anticipated by Dossot et al.

Claims 1, 3 and 6 stand rejected under 35 U. S. C. § 102(b) as being anticipated by Dossot et al. (U. S. Patent 5,592,045 issued on January 7, 1997). The applicants submit that these claims are not anticipated by this reference.

Claim 1 is directed to an electron beam deflection system for a cathode-ray tube (see, specification at page 1, lines 4-5). The deflection system includes a pair of horizontal deflection coils 2 and a pair of vertical deflection coils 3 (see, FIG. 1 and the specification at page 2, lines 24-26). The two pairs of coils are electrically insulated from each other by a separator 4 (see, FIG. 1 and the specification at page 2, lines 26-27). At least one pair of the auxiliary coils 10 is made on a flexible sheet 13 that is placed around the neck of the tube (see, FIG. 2 and the specification at page 3, line 1). The auxiliary coils 10 modify the magnetic field created by at least one of the two pairs of deflection coils (see, the specification at page 3, lines 1-3). The flexible sheet 13 is placed on a cylindrical support 9 having regions with a low relative permittivity 32 (see, FIG. 2 and the specification at page 3, lines 20-21).

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Dossot et al. discloses a deflection yoke for a CRT (see, Dossot et al. at column 1, lines 4-5). The deflection yoke includes auxiliary coils 20, 21 made on flexible support 27 (see, Dossot et al. at FIG. 4 and column 2, lines 55-57).

The Examiner indicates that support 27 includes regions 25 with a low relative permittivity (see, Dossot et al. at FIG. 4). However, Dossot et al. describes regions 22-25 as holes formed in support 27 through which studs 12-15 are inserted to position support 27 along the Z-axis (see, Dossot et al. at column 2, lines 58-61).

Dossot et al. does not describe or suggest an electron beam deflection system including a pair of horizontal deflection coils and a pair of vertical deflection coils electrically insulated from each other by a separator and at least one pair of the auxiliary coils made on a flexible sheet that is placed around the neck of the tube, where the auxiliary coils modify the magnetic field created by at least one of the two pairs of deflection coils, wherein the flexible sheet is placed on a cylindrical support having regions with a low relative permittivity. Rather, Dossot et al. only discloses a deflection yoke including auxiliary coils made on flexible support. Since Dossot et al. does not describe or suggest an electron beam deflection system including a pair of horizontal deflection coils and a pair of vertical deflection coils electrically insulated from each other by a separator and at least one pair of the auxiliary coils made on a flexible sheet that is placed around the neck of the tube, where the auxiliary coils modify the magnetic field created by at least one of the two pairs of deflection coils, wherein the flexible sheet is placed on a cylindrical support having regions with a low relative permittivity, claim 1 is patentable over Dossot et al.

Claims 3 and 6 depend directly from claim 1. For the same reasons as stated above for claim 1, claims 3 and 6 are also patentable over Dossot et al.

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B. 35 U. S. C. § 103

1. Claims 4-5 are not obvious over Dossot et al.

Claims 4-5 stand rejected under 35 U. S. C. § 103(a) as being unpatentable over Dossot et al. (U. S. Patent 5,592,045 issued on January 7, 1997). The applicants submit that these claims are not rendered obvious by this reference.

Claims 4-5 depend directly, or indirectly, from claim 1 are directed to an electron beam deflection system for a cathode-ray tube (see, specification at page 1, lines 4-5). The deflection system includes a pair of horizontal deflection coils 2 and a pair of vertical deflection coils 3 (see, FIG. 1 and the specification at page 2, lines 24-26). The two pairs of coils are electrically insulated from each other by a separator 4 (see, FIG. 1 and the specification at page 2, lines 26-27). At least one pair of the auxiliary coils 10 is made on a flexible sheet 13 that is placed around the neck of the tube (see, FIG. 2 and the specification at page 3, line 1). The auxiliary coils 10 modify the magnetic field created by at least one of the two pairs of deflection coils (see, the specification at page 3, lines 1-3). The flexible sheet 13 is placed on a cylindrical support 9 having regions with a low relative permittivity 32 (see, FIG. 2 and the specification at page 3, lines 20-21).

Dossot et al. discloses a deflection yoke for a CRT (see, Dossot et al. at column 1, lines 4-5). The deflection yoke includes auxiliary coils 20, 21 made on flexible support 27 (see, Dossot et al. at FIG. 4 and column 2, lines 55-57).

The Examiner indicates that support 27 includes regions 25 with a low relative permittivity (see, Dossot et al. at FIG. 4). However, Dossot et al. describes regions 22-25 as holes formed in support 27 through which studs 12-15 are inserted to position support 27 along the Z-axis (see, Dossot et al. at column 2, lines 58-61).

Dossot et al. does not describe or suggest an electron beam deflection system including a pair of horizontal deflection coils and a pair of vertical

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deflection coils electrically insulated from each other by a separator and at least one pair of the auxiliary coils made on a flexible sheet that is placed around the neck of the tube, where the auxiliary coils modify the magnetic field created by at least one of the two pairs of deflection coils, wherein the flexible sheet is placed on a cylindrical support having regions with a low relative permittivity. Rather, Dossot et al. only discloses a deflection yoke including auxiliary coils made on flexible support. Since Dossot et al. does not describe or suggest an electron beam deflection system including a pair of horizontal deflection coils and a pair of vertical deflection coils electrically insulated from each other by a separator and at least one pair of the auxiliary coils made on a flexible sheet that is placed around the neck of the tube, where the auxiliary coils modify the magnetic field created by at least one of the two pairs of deflection coils, wherein the flexible sheet is placed on a cylindrical support having regions with a low relative permittivity, claims 4-5 are patentable over Dossot et al.

CONCLUSION

The applicants submit that none of the claims now pending in the application are anticipated under the provisions of 35 U. S. C. § 102, or obvious under the provisions of 35 U. S. C. § 103. Thus, the applicants believe that all of these claims are in allowable form and this application is presently in condition for allowance. Accordingly, both reconsideration of this application and its swift passage to issue are earnestly solicited.

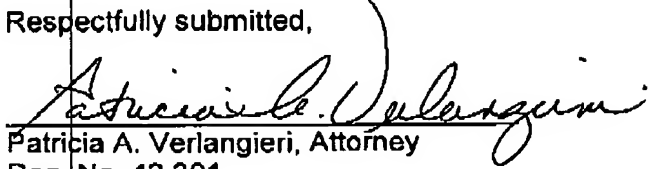
If, however, the Examiner believes that there are any unresolved issues requiring adverse final action in any of the claims now pending in the application,

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it is requested that the Examiner telephone Ms. Patricia A. Verlangieri, at (609) 734-6867, so that appropriate arrangements can be made for resolving such issues as expeditiously as possible.

Respectfully submitted,


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